

**Work Order ID 60226**

Tuesday, June 29, 2010 11:39:20 AM



Page 1

Item ID: D412-704-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Pedal Assembly (205/212/214/412)

Start Date: 6/29/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 7/6/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: 

Date: 10-6-29 Tooling:

Date:

QC:

Date: SPC (Y/N):

Date:

Run Start



Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

D412-704-041

Rev A

100

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

Assemble pedal as per Dwg D412-704-041 ☐ Tighten & Torque Bolts as per  
Dwg D412-704-041

110

0.00



QC5- Inspect part completeness to step on W/O

QC

Memo

0.00

Quality Control

120

0.00



Pick Kit

Packaging

Memo

0.00

Packaging

P10 →

E/S 10/07/28 (4)

(4)

E/S 10/29 (4)

W/O: 60226		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/7/28	#100	Perm. Janj Fix Routin <del>not</del> numbers	E	10.07.29			S 10/09/28	

Part No: D412-704-041 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 60226**

Tuesday, June 29, 2010 11:39:20 AM



Page 2

Item ID: D412-704-041

Accept



Setup Start



Revision ID:

Item Name: Pedal Assembly (205/212/214/412)

Stop



Start Date: 6/29/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 7/6/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

8/6/29

Quality Control



140

Identify as per dwg &amp; Stock Location: 191

0.00



Packaging

Memo

0.00

Packaging

Copper (H)

150

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/07/29 H

0610-729 H

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, June 29, 2010 11:39:25 AM

Page 1

Work Order ID: 60226

Parent Item: D412-704-041

Parent Item Name: Pedal Assembly (205/212/214/412)

Start Date: 6/29/2010

Required Date: 7/6/2010

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:B 05.01.28 Removed hardware on Step 2; Added Figures 1-3 KJ/RF  
 IPP Rev:C 06.03.08 Re-format EC  
 IPP Rev:D 07-03-20 Added Dwg D412-704-041 07-03-20 JLM  
 IPP Rev:E 07.05.02 Reformat EC  
 IPP Rev:F 08-10-08 as per revB DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN3-10A Bolt		Purchased	No				Each	104.0000	1	4			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST351				104					
				114330				4					
				115016				100					
AN315-4R Nut		Purchased	No				Each	73.0000	1	4			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST324				73					
				17566				73					
AN3-6A Bolt		Purchased	No				Each	319.0000	2	8			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST351				319					
				113359				119					
				114941				200					

*[Handwritten signature]*  
6/30/07/28

*[Handwritten signature]*  
6/30/07/28

*[Handwritten signature]*  
6/30/07/28  
m/13309

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, June 29, 2010 11:39:25 AM

Page 2

Work Order ID: 60226

Parent Item: D412-704-041

Parent Item Name: Pedal Assembly (205/212/214/412)

Start Date: 6/29/2010

Required Date: 7/6/2010

Start Qty: 4.00

Required Qty: 4.00

AN4-10A --

Purchased No

Each

126.0000

1

4



Bolt

Location

Loc Qty

Loc Code

ST356

126

113422

26

114523

100

AN4-12A --

Purchased No

Each

216.0000

2

8



Bolt

Location

Loc Qty

Loc Code

ST357

216

112314

216

AN4-13A --

Purchased No

Each

376.0000

1

4



Bolt

Location

Loc Qty

Loc Code

ST357

376

114941

376

AN960JD107

NAS1149D0363J Purchased

No

Each

0.0000

5

20



Washer

AN960JD10L

NAS1149D0332J Purchased

No

Each

3,433.000

4

16



Washer

Location

Loc Qty

Loc Code

ST348

3433

110985

3433

Shop Packet Print

Tuesday, June 29, 2010 11:39:25 AM

Page 2

EP 5/10/07/28

4

EP 5/10/07/28

8

EP 5/10/07/28

4

EP 5/10/07/28

16

M/109632 40 (4/10/09) (4)

M/110985 124

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Tuesday, June 29, 2010 11:39:25 AM

Page 3

Work Order ID: 60226

Parent Item: D412-704-041

Parent Item Name: Pedal Assembly (205/212/214/412)

Start Date: 6/29/2010

Required Date: 7/6/2010

Start Qty: 4.00

Required Qty: 4.00

AN960JD416 7 NAS1149D0463J Purchased No

Each 0.0000

Washer 4D M115000 (44x)

AN960JD416L NAS1149D0416J Purchased No

Each 283.0000

Washer 4D M13910 (12x)

Location

Loc Qty

Loc Code

ST346

283

110153

283

D3204-041

Manufactured No

Each 2.0000

Release Pedal Assembly

Location

Loc Qty

Loc Code

ST197

2

55336

2

D3205-1

Manufactured No

Each 10.0000

Pedal Bracket

Location

Loc Qty

Loc Code

ST197

10

55731

10

D3205-3

Manufactured No

Each 12.0000

Back Plate

Location

Loc Qty

Loc Code

ST197

12

47491

12

Tuesday, June 29, 2010 11:39:25 AM

Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, June 29, 2010 11:39:25 AM

Page 4

Work Order ID: 60226

Parent Item: D412-704-041

Parent Item Name: Pedal Assembly (205/212/214/412)

Start Date: 6/29/2010

Required Date: 7/6/2010

Start Qty: 4.00

Required Qty: 4.00

D3206-1 Manufactured No

Each 15.0000



Pedal Arm

Location

Loc Qty

Loc Code

ST197

15

55732

15

Each

7.0000

D3209-041

Manufactured No



Bracket Assembly

Location

Loc Qty

Loc Code

ST045

7

57521

3

58265

4

Each

2,927.000

MS21042L3

Purchased No



Nut

Location

Loc Qty

Loc Code

ST300

2927

114523

427

114718

500

114784

2000

Each

2,927.000

MS21042L3

Purchased No



Nut

Location

Loc Qty

Loc Code

ST300

2927

114523

427

114718

500

114784

2000

1 4  
ES06/28

1 4  
ES06/28

2 8  
M114  
L 14/28 (4)

1 4  
ES06/28

4

B55763 (X)

Tuesday, June 29, 2010 11:39:25 AM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, June 29, 2010 11:39:25 AM

Page 5

Work Order ID: 60226

Parent Item: D412-704-041

Parent Item Name: Pedal Assembly (205/212/214/412)

Start Date: 6/29/2010

Required Date: 7/6/2010

Start Qty: 4.00

Required Qty: 4.00

MS21042L4

Purchased

No

Each

2,691.000

5

20



Nut

## Location

## Loc Qty

## Loc Code

ST300

2691

113422

68

114523

28

114718

595

114784

2000

MS24694-S102

Purchased

No

Each

62.0000

1

4



Screw

## Location

## Loc Qty

## Loc Code

ST288

50

114382

50

ST289A

12

113644

12

MS9519-10

Purchased

No

Each

42.0000

1

4



Bolt

## Location

## Loc Qty

## Loc Code

ST297

42

100290

42

Tuesday, June 29, 2010 11:39:25 AM

Shop Packet Print

Page 5

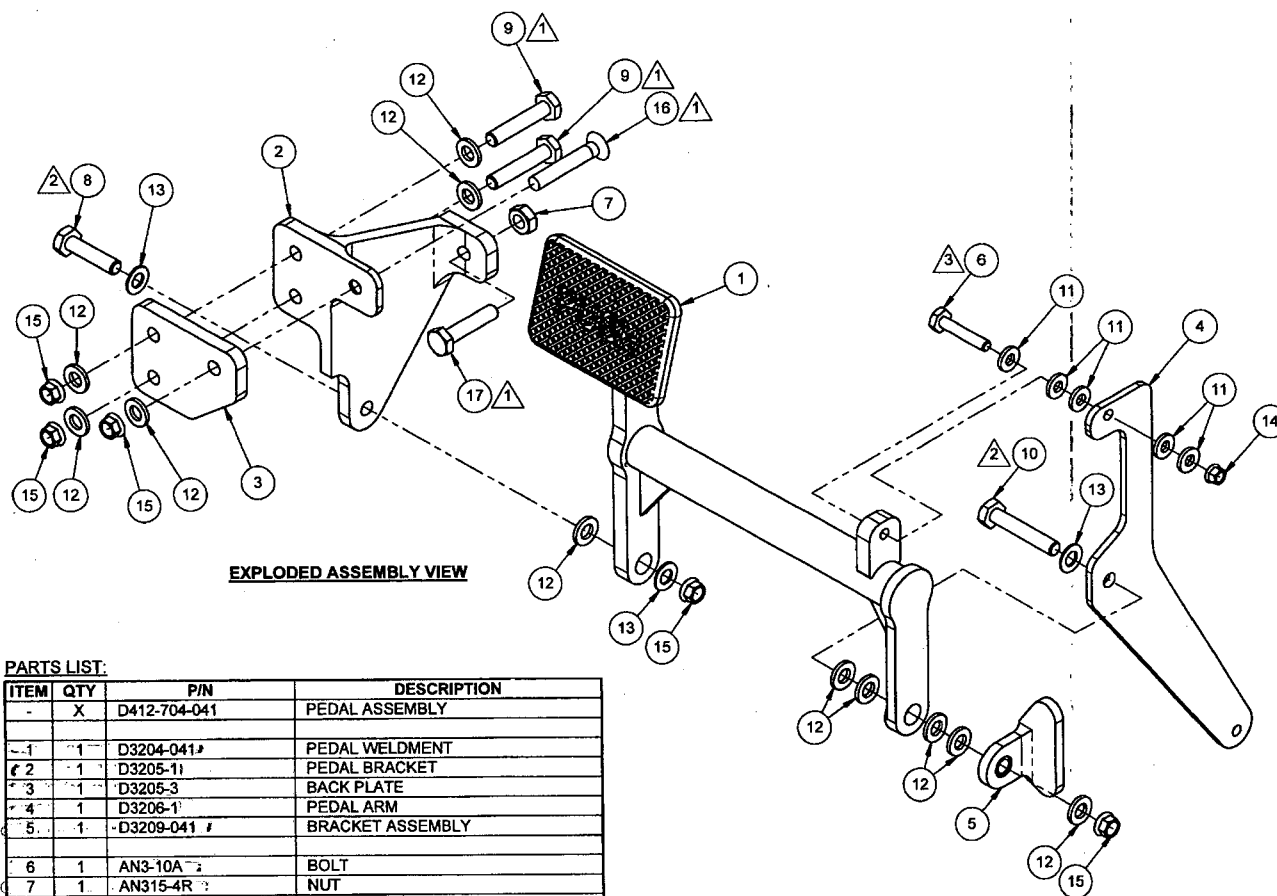
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



**EXPLODED ASSEMBLY VIEW**

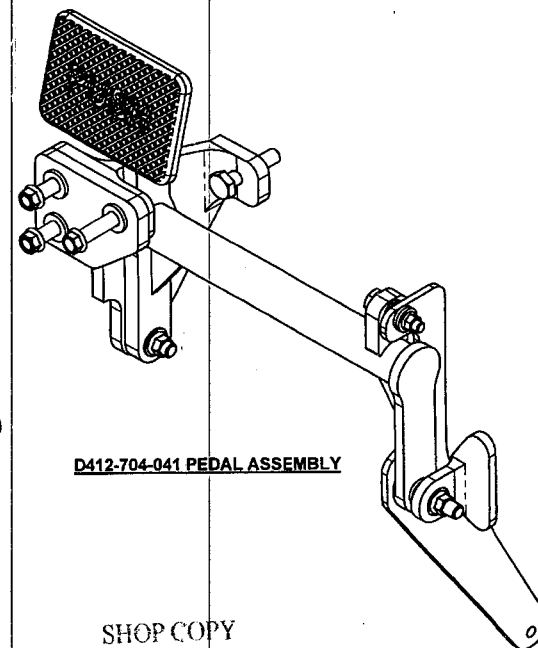
**PARTS LIST:**

ITEM	QTY	P/N	DESCRIPTION
-	X	D412-704-041	PEDAL ASSEMBLY
1	1	D3204-041	PEDAL WELDMENT
2	1	D3205-11	PEDAL BRACKET
3	1	D3205-3	BACK PLATE
4	1	D3206-1	PEDAL ARM
5	1	D3209-041	BRACKET ASSEMBLY
6	1	AN3-10A	BOLT
7	1	AN315-4R	NUT
8	1	AN4-10A	BOLT
9	2	AN4-12A	BOLT
10	1	AN4-13A	BOLT
11	5	AN960JD10	WASHER
12	11	AN960JD416	WASHER
13	3	AN960JD416L	WASHER
14	1	MS21042L3	NUT (OR MS21042-3)
15	5	MS21042L4	NUT (OR MS21042-4)
16	1	MS24894-S102	SCREW
17	1	MS9519-10	BOLT
N/A*	2	AN3-6A	BOLT
N/A*	4	AN960JD10L	WASHER
N/A*	2	MS21042L3	NUT (OR MS21042-3)

\* SHIPPED LOOSE WITH -041 KIT (NOT PRE-ASSEMBLED AT DART)

**NOTES:**

- 1 INSTALL IDENTIFIED FASTENERS LOOSE (HAND TIGHTEN ONLY).
- 2 TIGHTEN IDENTIFIED FASTENERS UNTIL SNUG. ENSURE THAT PARTS CAN STILL ROTATE.
- 3 TORQUE IDENTIFIED FASTENERS TO 15-25 in-lbs (1.7-2.8 N-m).



**D412-704-041 PEDAL ASSEMBLY**

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY,  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 60224

*PS106-20*

**RELEASED**

07.01.23

REV	DATE	NEW ISSUE	DESCRIPTION
DESIGN	CB	CB	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED	LE	APPROVED	DRAWING NO. <b>D412-704-041</b>
DATE	07.01.23	TITLE	<b>PEDAL ASSEMBLY</b>
COPYRIGHT © 2007 BY DART AEROSPACE LTD			REV. A
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			SHEET 1 OF 1
			SCALE 1:2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries